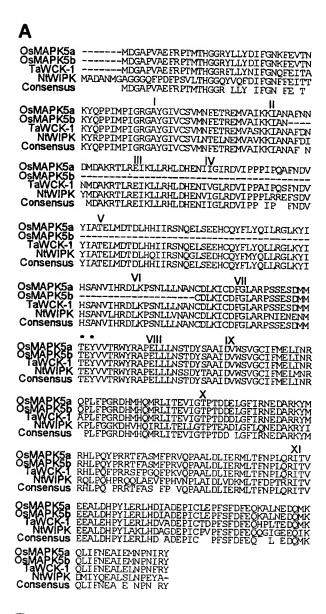
JUN 1 9 2006



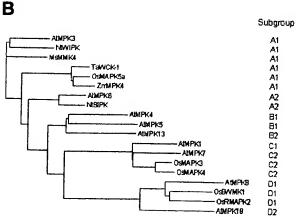


FIGURE 1



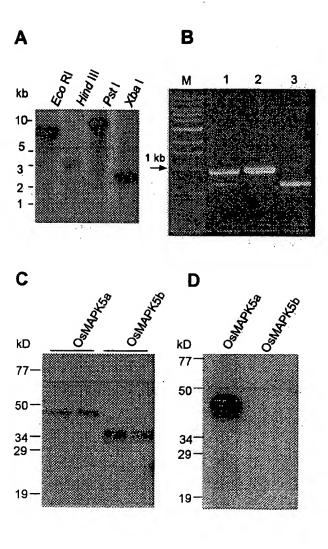


FIGURE 2

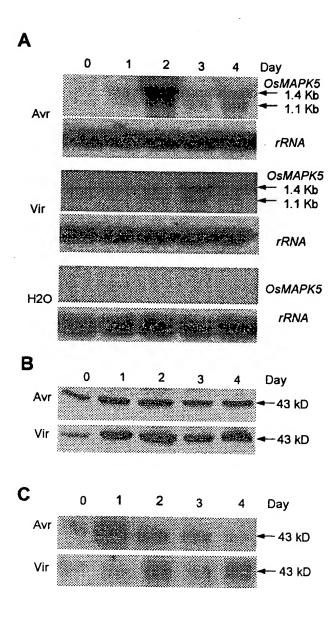
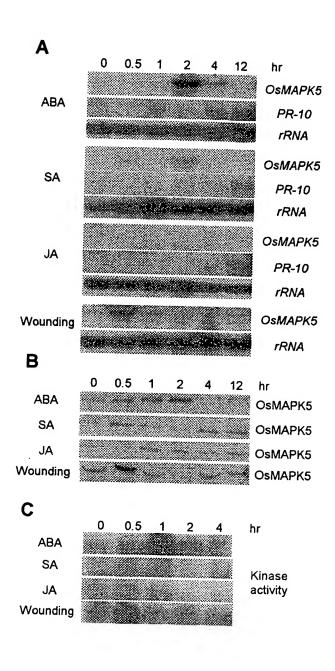


FIGURE 3



1 1 , 1 2 1 1

FIGURE 4

BEST AVAILABLE COPY

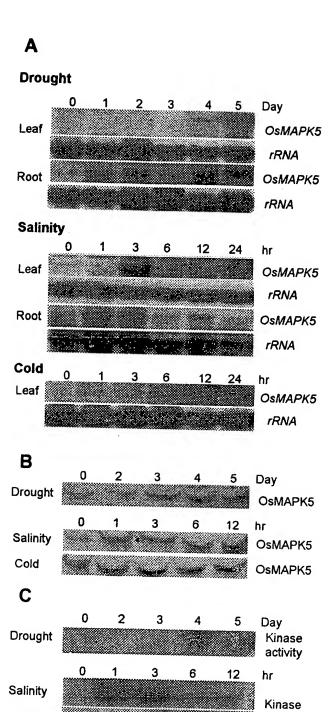
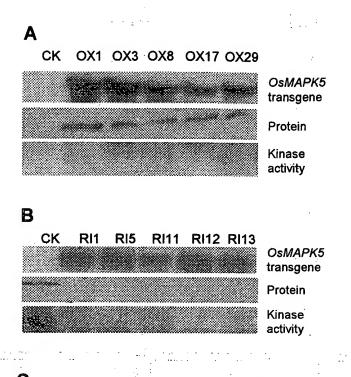


FIGURE 5

Cold

activity



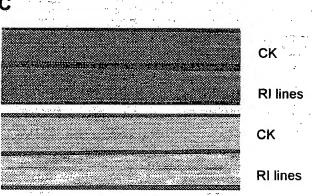


FIGURE 6

BEST AVAILABLE COPY

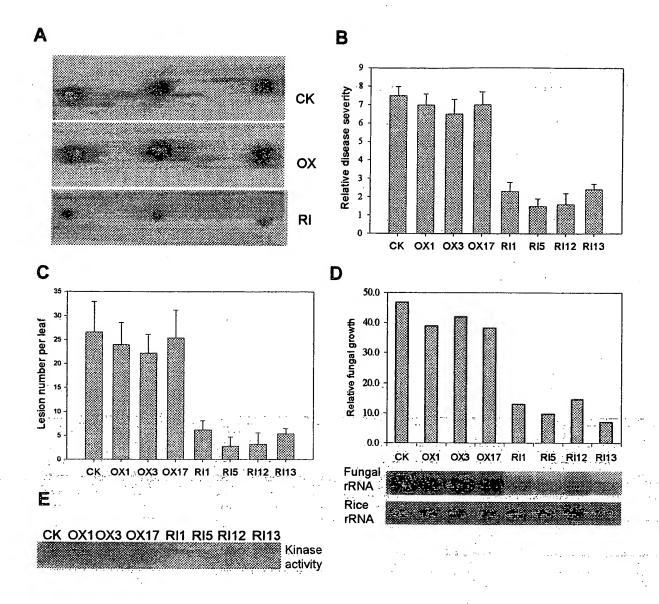


FIGURE 7

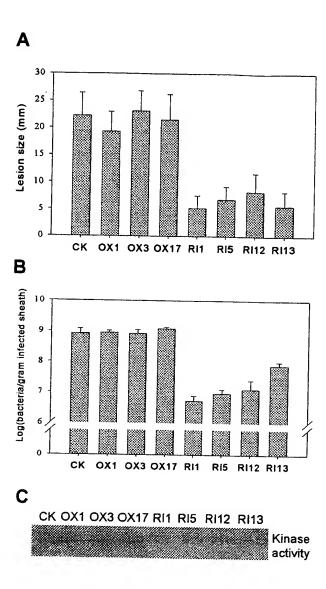


FIGURE 8

CK OX1OX3 OX17RI1 RI5 RI12 RI13

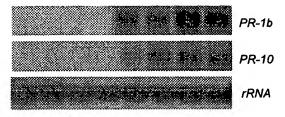
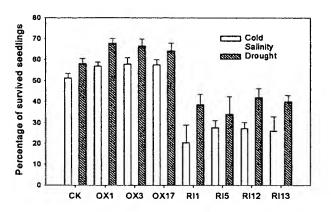


FIGURE 9

BEST AVAILABLE COPY

200



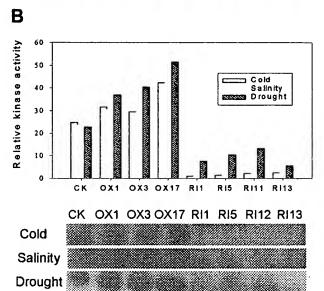


FIGURE 10

OsMAPK5a SEQ. ID. NO: 1

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61	aggaggaggg	attagggatg	gacggggcgc	cggtggcgga	gttcaggccg	acgatgacgc
121	acggcggccg	gtacctgctc	tacgacatct	tcgggaacaa	gttcgaggtg	acgaacaagt
181	accagccgcc	catcatgccc	attggccgcg	gcgcctacgg	gatcgtctgc	tccgtgatga
241	actttgagac	gagggagatg	gtggcgataa	agaagatcgc	caacgcgttc	aacaacgaca
301	tggacgccaa	gcgcacgctc	cgggagatca	agctcctcag	gcacctcgac	cacgagaaca
361	tcataggcat	cagggatgtg	atcccgccgc	cgatccctca	ggcgttcaac	gacgtctaca
421	tcgccacgga	gctcatggac	accgacctcc	atcacatcat	ccgctccaac	caagaactgt
481	cagaagagca	ctgccagtat	ttcctgtacc	agatcctgcg	ggggctcaag	tacatccact
541	cggcgaacgt	gatccaccgc	gacctgaagc	cgagcaacct	gctgctgaac	gccaactgcg
601	acctcaagat	ctgcgacttc	gggctggcgc	ggccgtcgtc	ggagagcgac	atgatgacgg
661	agtacgtggt	cacccggtgg	taccgcgcgc	cggagctgct	gctcaactcc	accgactact
721	ccgccgccat	cgacgtctgg	tccgtcggct	gcatcttcat	ggagctcatc	aaccgccagc
781	cgctcttccc	cggcagggac	cacatgcacc	agatgcgcct	catcaccgag	gtgatcggga
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901	acctgccgca	gtacccgcgc	cggacgttcg	cgagcatgtt	cccgcgggtg	cagcccgccg
961	cgctcgacct	catcgagagg	atgctcacct	tcaacccgct	gcagagaatc	acagttgagg
1021	aggcgctcga	tcatccttac	ctagagagat	tgcacgacat	cgccgatgag	cccatctgcc
1081	tggagccctt	ctccttcgac	ttcgagcaga	aggctctaaa	cgaggaccaa	atgaagcagc
1141	tgatcttcaa	cgaagcgatc	gagatgaacc	caaacatccg	gtactagatt	gaatcaccat
1201	ggaaatgaga	tcccgtctat	acctgctttg	tacatatgat	caagattgag	agccgggtag
1261	actgaacatt	gcatttgttt	gtttgttgat	gttcgaaacc	cacattctct	gcaagttgtg
1321	gctgctttgt	atgatatatg	gtactatgtt	cgaataaaag	ggtttggaac	tttggattaa
1381	aaaaaaaaa	aaaaaa				

OsMAPK5a SEQ. ID. NO: 2

1. 64 5 65

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GAYGIVCSVMNFETREMVAIKKIANAFNNDMDAKRTLREIKLLRHLDHENIIGIRDVI
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RDLKPSNLLLNANCDLKICDFGLARPSSESDMMTEYVVTRWYRAPELLLNSTDYSAAI
DVWSVGCIFMELINRQPLFPGRDHMHQMRLITEVIGTPTDDELGFIRNEDARKYMRHL
PQYPRRTFASMFPRVQPAALDLIERMLTFNPLQRITVEEALDHPYLERLHDIADEPIC
LEPFSFDFEQKALNEDQMKQLIFNEAIEMNPNIRY

OsMAPK5b SEQ. ID. NO: 3

1 61	aggaggaggg	ataaggtcgt attagggatg	gacggggcgc	cggtggcgga	gttcaggccg	acgatgacgc
121		gtacctgctc				
181		catcatgccc				
241		gagggagatg				
301	gcgacttcgg	gctggcgcgg	ccgtcgtcgg	agagcgacat	gatgacggag	tacgtggtca
361	cccggtggta	ccgcgcgccg	gagctgctgc	tcaactccac	cgactactcc	gccgccatcg
421	acgtctggtc	cgtcggctgc	atcttcatgg	agctcatcaa	ccgccagccg	ctcttccccg
481	gcagggacca	catgcaccag	atgcgcctca	tcaccgaggt	gatcgggacg	ccgacggacg
541	acgagctggg	gttcatacgg	aacgaggacg	cgaggaagta	catgaggcac	ctgccgcagt
601	acccgcgccg	gacgttcgcg	agcatgttcc	cgcgggtgca	gcccgccgcg	ctcgacctca
661	tcgagaggat	gctcaccttc	aacccgctgc	agagaatcac	agttgaggag	gcgctcgatc
721	atccttacct	agagagattg	cacgacatcg	ccgatgagcc	catctgcctg	gagcccttct
781	ccttcgactt	cgagcagaag	gctctaaacg	aggaccaaat	gaagcagctg	atcttcaacg
841	aagcgatcga	gatgaaccca	aacatccggt	actagattga	atcaccatgg	aaatgagatc
901	ccgtctatac	ctgctttgta	catatgatca	agattgagag	ccgggtagac	tgaacattgc
961	atttgtttgt	ttgttgatgt	tcgaaaccca	cattctctgc	aagttgtggc	tgctttgtat
1021		actatgttcg				
1081	aaaa					

OsMAPK5b

SEQ. ID. NO: 4

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LLLNSTDYSAAIDVWSVGCIFMELINRQPLFPGRDHMHQMRLITEVIGTPTDDELGFI
RNEDARKYMRHLPQYPRRTFASMFPRVQPAALDLIERMLTFNPLQRITVEEALDHPYL
ERLHDIADEPICLEPFSFDFEQKALNEDQMKQLIFNEAIEMNPNIRY